expected, therefore, to affect the amino acid sequence of a polypeptide encoded by the cDNA. However, other SNPs identified in **TABLE 6A** (*i.e.*, *disc01a*, *disc03a,* and *disc43a*) are located within the coding region of the indicated cDNA sequence and, further, change a codon of that coding sequence to one for a different amino acid residue. The *disc43a* mutation is silent, *i.e.*, the altered codon translates to the same amino acid as the wild-type codon. However, the cDNA sequences which comprise the *disc01a* and *disc03a* SNPs do encode an altered gene product. Specifically, the polypeptides encoded by these SNPs comprise amino acid residue substitutions. The specific amino acid residue substitutions encoded by each of these SNPs are indicated in **TABLE 6B**, below.

IN THE CLAIMS:

Please cancel claims 44-53 without prejudice as drawn to a non-elected invention.

Please add claims 54-62 pursuant to 37 C.F.R. 1.121 as follows:

54. (New) An isolated nucleic acid which comprises a nucleotide sequence of a polymorphic region of a DISC1 allelic variant, wherein the DISC1 allelic variant has a nucleotide sequence that differs from a reference nucleotide sequence selected from the group consisting of:

(a) the nucleotide sequence set forth in SEQ ID NO:1; and

(b) a DISC1 nucleotide sequence contained in the clone RP11-17H4,

RP11-9801, RP4-584N17, RP5-865N13 or RP4-730B13.

55. (New) The isolated nucleic acid of claim 54 which comprises a nucleotide sequence of SEQ ID NO:33 and complementary sequences thereof.

56. (New) The isolated nucleic acid of claim 54 which comprises a nucleotide sequence of SEQ ID NO:35 and complementary sequences thereof.

57. (New) The kit of claim 7 wherein the probe or primer is capable of hybridizing to a polymorphic region of a DISC1 allelic variant, wherein the DISC1 allelic variant has a nucleotide sequence that differs from a reference nucleotide sequence selected from the group consisting of:

(a) the nucleotide sequence set forth in SEQ ID NO:1;

(b) a DISC1 nucleotide sequence contained in the clone RP11-17H4, RP11-9801, RP4-584N17, RP5-865N13 or RP4-730B13; and

(c) complementary sequences thereof.

58. (New) The kit of claim 57 wherein the polymorphic region comprises a nucleotide sequence of SEQ ID NO:33 and complementary sequences thereof.

59. (New) The kit of claim 57 wherein the polymorphic region comprises a